

## AMENDMENT

### In the Title

Please change the title to -- Substrates Comprising Polynucleotide Microarrays --.

### In the Specification

At page 1, immediately beneath the title of the invention, please insert the following:

-- The United States government may have certain rights in the present invention pursuant to Grant No. HG00450 by the National Institutes of Health. --.

At page 1, line 4, after "invention is a" insert -- continuation of U.S. patent application Serial No. 08/688,488 for "Method For Analyzing Gene Expression Patterns", filed July 30, 1996, which is --.

At page 1, line 10, after "1995," insert -- now U.S. patent No. 5,807,522, --.

At page 1, line 14, after "1994" insert --, now abandoned --.

At page 1, line 14, delete "three" and substitute therefor -- four --.

At page 3, line 27, delete "twofold" and substitute therefor -- two-fold --.

At page 4, line 12, delete "from"; and

line 35, delete "filters" and substitute therefor -- filters, --.

At page 5, line 12, delete "abundances" and substitute therefor -- abundances, --; and

line 27, delete "locations" and substitute therefor -- locations on --.

At page 10, line 5, after "100/cm<sup>2</sup>," insert -- for example about 400/cm<sup>2</sup>, --.

At page 10, line 8, after "10-500  $\mu$ m," insert -- for example about 250  $\mu$ m, --.

At page 11, line 20, delete "patents" and substitute therefor -- patent --; and

line 21, delete "applications" and substitute therefor -- application --.

At page 13, line 4, delete "OH" and substitute therefor -- hydroxyl --.

At page 14, line 5, delete "number" and substitute therefor -- number, --.

At page 16, line 23, delete "mixture" and substitute therefor -- mixtures --.

At page 17, line 29, delete "of" and substitute therefor -- of the --.

At page 18, line 20, delete "in changes of" and substitute therefor -- of changes in --.

At page 19, line 25, delete "*cerivisiae*" and substitute therefor -- *cerevisiae*--; and  
line 29, delete "labeled two" and substitute therefor -- two labeled --.

At page 20, line 32, delete "small" and substitute therefor -- a small --.

At page 21, line 34, delete "wildtype" and substitute therefor -- wild type --; and  
line 35, delete "*arabidopsis*" and substitute therefor -- *Arabidopsis* --.

At page 22, line 4, delete "*arabidopsis*" and substitute therefor -- *Arabidopsis* --;  
line 6, delete "wildtype" and substitute therefor -- wild type --;  
line 15, delete "*arabidopsis*" and substitute therefor -- *Arabidopsis* --; and  
line 33, delete "or" and substitute therefor -- of --.

At page 23, line 6, delete "*arabidopsis*" and substitute therefor -- *Arabidopsis* --.

At page 24, line 22, delete "of distal end" and substitute therefor -- of the distal end of --.

At page 26, line 13, delete "were used as probes" and substitute therefor -- was used as a  
probe --; and  
line 16, delete "analysis," and substitute therefor --analysis--.

At page 28, line 16, delete "activator" and substitute therefor -- activator of --;

line 22, delete "were" and substitute therefor -- was --; and

line 32, delete "Arabidopsis" and substitute therefor -- *Arabidopsis* --.

At page 29, line 30, delete "suggest" and substitute therefor -- suggests --.

At page 30, line 10, delete "tissues" and substitute therefor -- tissue --.

At page 31, line 15, delete "two color" and substitute therefor -- two-color --;

line 18, delete "samples" and substitute therefor -- samples will --; and

line 20, delete "genes responses to heatshock" and substitute therefor -- genes' responses to heat shock --.

At page 32, line 26, delete "H2O" and substitute therefor -- H<sub>2</sub>O --;

line 26, delete "min" and substitute therefor -- minute --;

line 27, delete "NaBH4" and substitute therefor -- NaBH<sub>4</sub> --;

line 29, delete "H2O" and substitute therefor -- H<sub>2</sub>O --;

line 29, delete "min" and substitute therefor -- minutes --;

line 30, delete "min" and substitute therefor -- minute --; and

line 31, delete "H2O" and substitute therefor -- H<sub>2</sub>O --.

At page 33, line 15, delete "min" and substitute therefor -- minutes --;

line 17, delete "min" and substitute therefor -- minutes --;

line 24, delete "speedvac" and substitute therefor -- SPEEDVAC --;

line 25, delete "purchase" and substitute therefor -- purchased --;

line 32, delete "sulfate;" and substitute therefor -- sulfate --; and

line 33, delete "SDS)." and substitute therefor -- (SDS)). --.

At page 34, line 5, delete “hr” and substitute therefor -- hours --;

line 6, delete “min” and substitute therefor -- minutes --; and

line 8, delete “min” and substitute therefor -- minutes --.

At page 35, line 14, delete “acids derived” and substitute therefor -- acid-derived --.

At page 37, line 34, delete “0.1%SDS” and substitute therefor -- 0.1% SDS --; and

line 34, delete “cover slipped” and substitute therefor -- cover-slipped --.

At page 38, line 31, delete “above” and substitute therefor -- above, --.

At page 39, line 16, delete “polyA+” and substitute therefor -- poly A+ --.

At page 41, line 4, delete “micro array” and substitute therefor -- microarray --;

line 6, delete “acetylcholine” and substitute therefor -- acetylcholine  
receptor --;

line 22, delete “Inserts” and substitute therefor -- Inserts of --; and

line 25, delete “E. coli” and substitute therefor -- *E. coli* --.

At page 42, line 2, delete “Arabidopsis” and substitute therefor -- *Arabidopsis* --;

line 10, delete “CO2” and substitute therefor -- CO<sub>2</sub> --;

line 21, delete “Arabidopsis” and substitute therefor -- *Arabidopsis* --;

line 26, delete “1,1,000” and substitute therefor -- 1:1,000 --; and

line 34, delete “were” and substitute therefor -- was --.

At page 43, line 6, delete “Arabidopsis” and substitute there for -- *Arabidopsis* --;

line 24, delete “polyA+” and substitute therefor -- poly A+ --; and

line 31, delete P32-dATP” and substitute therefor -- P<sup>32</sup>-dATP --.